Journal of Mammalogy, 88(6):1585–1586, 2007

JOURNAL OF MAMMALOGY
INDEX TO VOLUME 88

AUTHORS

Abba, A. M., 502
Adams, R. A., 1248
Adnan, A. M., 105
Agetsuma, N., 1090
Alcumbrac, O. J., 1482
Álvarez-Castañeda, S. T., 343, 926, 1160
Apollonio, M., 1488
Appleton, B., 1216
Arbogast, B. S., 840
Armstong, K. N., 94
Arrizabalaga, A., 526
Asa, C. S., 436
Atkinson, S., 67
Ayala-Berdón, J., 1466
Baker, M. D., 967, 1261
Baker, R. J., 330, 712, 1205
Balete, D. S., 287
Ballard, W. B., 1482
Banks, J. D., 801
Barber-Meyer, S. M., 421
Barboza, P. S., 625
Barclay, R. M. R., 1412
Bassano, B., 1488
Bauman, J. E., 436
Bellhouse, T., 614
Bemis, W. E., 1420
Bennett, N. C., 657
Bennett, S. G., 745
Bernard, H., 1427
Bernhardt Fialho, C., 1335
Birdsill, D., 850
Blagojević, J., 689
Blaum, N., 194
Boher, F., 487
Boitani, L., 1312
Bonnaud, E., 1074
Borghi, C. E., 165
Borisenko, A. V., 1195
Bourgeois, K., 1074
Bowman, J., 946
Bozeman, M. C., 712
Bozinovic, F., 165
Bradley, R. D., 360, 745, 1146
Bradshaw, F. J., 401
Bradshaw, S. D., 401
Broders, H. G., 1305
Bronner, G. N., 1179
Brown, D. C., 1062
Browne, R. A., 759
Bugarski-Stanojević, V., 689
Burda, H., 1009
Burdett, C. L., 457
Butler, D. A., 1482
Campanella, A., 1532
Campbell, P., 105
Caon, G., 1335
Carbajo, A. E., 1555
Careau, V., 394
Carlini, A. A., 1319
Carroll, D. S., 1544
Carstensen Powell, M., 427
Casmir, D. L., 1412
Cassini, M. H., 502
Cervantes, F. A., 495
Chaverri, G., 477
Chimimba, C. T., 657
Chitaukali, W. N., 1009
Christidis, L., 1216
Chu, W.-C., 1239
Clark, W. R., 250
Cline, C. A., 1205
Coles, R. B., 94
Collins, K. C., 589
Cook, J. A., 793
Coonan, T. J., 436
Cooper, L. D., 1000
Corbould, F. B., 1508
Cowan, K. M., 1539
Crabtree, R. L., 1498
Craig, B. A., 573
Crater, A. R., 625
Cypher, B., 1439
Czekala, N., 632
Dai, X., 151
Daitch, D. J., 371
Dalerum, F., 793
Daniele, G., 1319
Danilewicz, D., 1335
de Freitas, T. R. O., 935
DelGiudice, G. D., 427
DeWoody, J. A., 908
Dinerstein, E., 1363
Dobson, F. S., 448
Donadio, E., 519
Douglas, M. E., 1230
Douglas, M. R., 1230
Doyle, D., 784
Dubey, S., 706
Duffy, K. J., 151
Duke, E. J., 784
Dunina-Barkovskaya, Y., 330
Durish, N. D., 1146
Eilers, E., 43
Emmons, L. H., 1427
Engstrom, M. D., 1146, 1447
Ernest, H. B., 801
Espírito-Santo, C., 201
Esselstyn, J. A., 951
Fahr, J., 1216
Famula, T. R., 801
Ferdous, S., 850
Fernández-Stolz, G. P., 935
Ferree, P., M., 759
Finley, J. K., 1325
Flaquer, C., 526
Fleissner, G., 194
Flores, G., 487
Flores-Ortiz, C. M., 1466
Foltz, D. W., 448
Font, E., 606
Forchhammer, M. C., 49
Freitas, L. B., 769
Fulhorst, C. F., 360, 745
Gannon, W. L., 809
Garde, E., 49
Gardenal, C. N., 777
Garroway, C. J., 1305
Gaschak, S., 330
Gatesy, J., 32
Gehrt, S. D., 1040
Geluso, K., 234
Genoways, H. H., 712
Goheen, J. R., 564
Goldingay, R. L., 1515
Gomez, R. K. S. C., 302
González-Ittig, R. E., 777
Goodman, S. M., 1216
Goswami, A., 667
Gray, M. M., 436
Greig, D. J., 67
Grignolio, S., 1488
Gulland, F. M. D., 67
Guralnick, R. P., 371
Gutiérrez, J. R., 1532
Haag, T., 769
Hafner, D. J., 1129
Hafner, J. C., 1129
Hafner, M. S., 1119, 1129
Hamill, R. M., 784
Hamr, J., 614
Han, N.-J., 1393
Hansen, S. H., 49
Harris, D. B., 208
Hart, L., 657
Haskell, S. P., 1482
Haynie, M. L., 745
Heaney, L. R., 287
Heide-Jørgensen, M. P., 49
Helgen, K. M., 302, 736
Hellgren, E. C., 124
Henard, C. A., 351
Henry, M., 81
Herman, T. B., 1539
Hernández, L., 1300
Hess, B. D., 745
Hicks, J. F., 129
Hindell, M. A., 639
Hoekstra, H. E., 1
Hoffmann, F. G., 1205
Hoganson, J. W., 73
Holekamp, K. E., 545, 1017
Holloway, G. L., 226
Honson, M. L., 1523
Hoofer, S. R., 330, 712, 1205
Hoogland, J. L., 448
Horning, M., 408
Hu, K., 728
Huang, D. W., 1393
Ingle, N. R., 302
Innes, R. J., 1523
Ivanova, N. V., 1195
Ivanović, A., 689
Jansa, S., 287
Jarvis, J. U. M., 657
Jdrzejewska, B., 508
Jdrzejewski, W., 508
Jeltsch, F., 194
Jenkins, D. A., 614
Jenkins, R. K. B., 959
Johnson, C. R., 421
Johnson, J. S., 1261
Johnson, K. M., 1544
Johnson, P. J., 1098
Jojić, V., 689
Jones, G., 1393
Jones, G., 728
Jones, G., 736
Kalko, E. K. V., 81
Kamler, J. F., 508
Katan, D., 1017
Kaufman, G. A., 982
Kayser, Y., 1074
Kelt, D. A., 1280, 1523, 1532
Kenagy, G. J., 1404
Kilpatrick, C. W., 1146
Klatsky, L. J., 59
Kochanny, C. O., 1482
Kock, D., 302
Kofoky, A. F., 959
Kołowski, J. M., 1017
Koprowski, J. L. 1271
Krajewski, C., 696, 1381
Krochmal, A. R., 649
Kunkel, K., 793
Kunz, T. H., 105, 477
Kuo, Y.-M., 1239
Kyle, C. J., 1346
Lacki, M. J., 1261
Lacki, M. J., 967
Lamoreux, J. F., 1363
Langguth, A., 769
Larsen, P. A., 712
Laundré, J. W., 1300
Lee, Y.-F., 1239
Legrand, 1074
Leiner, N. O., 158
Leirs, H., 1544
Lenarz, M. S., 427
LeRoi, D., 43
Leslie, D. M., Jr., 275
Li, G., 728, 736

Liang, B., 728, 736
Light, J. E., 1129
Lin, L., 736
Lin, L.-K., 1393
Lin, Y.-H., 1239
Lindsey, P. A., 181
Lissovsky, A. A., 1195
List, R., 1029
Liu, S., 1170
López-Wilchis, R., 515
Lowas, S. R., 1475
Loxterman, J., 793
Lucherini, M., 519
Lundrigan, B. L., 545
Lurz, P. W. W., 1271
Macdonald, D. W., 208, 1029, 1098
MacNulty, D. R., 595
Makluk, J., 330
Malcolm, J. R., 226
Mallory, F. F., 614
Maminirina, C. P., 1216
Manno, T. G., 448, 555
Márquez, R., 606
Martin, I. D., 1288
Martínez del Río, C., 1466
Mashburn, K. L., 67
Mattevi, M. S., 769
May, B. P., 801
McCown, J. W., 468
McDonald, H. G., 73
McGuire, B., 1420
McKenzie, J., 639
Mech, L. D., 421, 457, 595
Medina-Vogel, G., 487
Meeks, H. N., 330
Melletti, M., 1312
Mellish, J.-A. E., 408
Mendez-Harclerode, F. M., 360
Meredith, E. P., 801
Meserve, P. L., 1532
Milazzo, M. L., 360
Miller Derrickson, E., 1475
Miller, E. H., 1325
Miller, G. W., 1325
Miller, J. R., 1146, 1447
Milstead, W. B., 1532
Mirabile, M., 1312
Mitchell, M. S., 1050, 1062
Moehrenschlager, A., 1029, 1412
Moen, R. A., 457
Morand-Ferron, J., 394
Morrison, J. C., 1363
Moulton, V. D., 1325
Moyer, M. A., 468
Munshi-South, J., 1427
Murtaugh, M. P., 421
Muschner, V. C., 769
Nachman, G., 49
Negrete, J., 1319
Nelson, T. A., 1082
Neubaum, M. A., 1230
Newbury, R. K., 1082
Nielsen, C. K., 441
Niemi, G. J., 457
Njobe, K., 1179
Nová, P., 706
Novaro, A. J., 519
O'Riain, J., 657
O'Shea, T. J., 1230
Okabe, F., 1090
ole Ranah, S. M. K., 181
Oli, M. K., 468
Oliveira, L. F. B., 769
Ophir, A. G., 989
Orland, M. C., 1280
Page, B., 151, 639
Palacios, R., 519
Palacios, V., 606
Pape, M., 1544
Pardiñas, U. F. J., 1555
Paskins, K. E., 850
Patton, J. L., 777
Pedersen, S. C., 712
Penteriani, V., 1312
Perovic, P., 519
Perry, R. W., 974
Perryman, W. L., 43
Peterson, A. T., 1544
Pfau, R. S., 351
Phelps, S. M., 989
Phillips, C. D., 351
Phillips, C. J., 712
Phillips, R. B., 173
Pia, M., 519
Pitman, R. L., 43
Plischuk, S., 1319
Poole, K. G., 139
Porter, C. A., 1205
Powell, R. A., 1062
Prange, S., 1040
Previtali, M. A., 1532
Prochel, J., 667
Pumo, D. E., 712
Quinn, J. H., 589
Quirós, O. E., 477
Racey, P. A., 959
Rachlow, J. L., 129
Rakotoarivelo, A. A., 959
Ralls, K., 1439
Ramilijaona, O. R., 959
Ramos-Lara, N., 495
Ramzinski, D. M., 415
Ranaivoson, N., 959
Randall, J. A., 1000
Reddington, E., 1129
Reed, A. W., 982
Reynolds-Hogland, M. J., 1050, 1062
Rhodes, M., 1252
Rickart, E. A., 287
Riddle, B. R., 1129
Rios, E., 926
Rizkalla, C. E., 564
Robinson, S. J., 1288
Rodes, O. E., JR., 129
Rodríguez-Peña, N., 1466
Rodzen, J. A., 801
Rogers, D. S., 1129, 1146
Romañach, S. S., 181
Rood, M., 745
Rosalino, L. M., 201
Rosatte, R., 614
Rosell-Ambal, R. G. B., 287
Rossi, I., 1488
Rossmanith, E., 194
Roy Nielsen, C. L., 441
Russell, R. E., 573
Ruthven, D. C., III, 124, 360
Rutishauser, M., 67
Ryan, K. E., 1216
Saeki, M., 1098
Sakai, S. T., 545
Sandercock, B. K., 982
Santana, E. M., 882
Santibañez, A., 487
Santos-Reis, M., 201
Sassi, P. L., 165
Schaefer, J. A., 614
Schaefer, R., 801
Scheibe, J. S., 850
Schmidt, R. H., 173
Schneider, C. J., 105
Schnelker, S. A., 564
Schondube, J. E., 1466
Schwartz, M. K., 921
Scribner, K. T., 1342
Sealfon, R. A., 360
Sechrest, W., 1363
Serrouya, R., 139
Shannon, G., 151
Sharpe, D. J., 1515
Shaughnessy, P. D., 639
Shults, B., 793
Shutler, D., 1539
Sikes, R. S., 809
Silva, W. R., 158
Sinaga, M. H., 302
Sipiorski, J. T., 696
Šklíba, J., 1009
Slotow, R., 151
Smith, D. W., 595
Smith, W. P., 837, 862
Soibelzon, E., 1319
Solari, S., 319
Soledad López, M., 519
Sorin, A. B., 989
Soto-Azat, C., 487
Sovada, M. A., 250
Sparks, D. W., 649
Spiegel, L. K., 1439
Stapp, P., 241
Stenson, G. B., 1325
Stewart, D. T., 1539
Stine, P. A., 1523
Stolz, J. F. B., 935
Stoner, K. E., 1466
Storz, J. F., 1, 24
Strauss, R. E., 360
Stuart-Smith, K., 139
Šumbera, R., 1009
Sun, Z., 1170
Sung, H.-C., 1325
Swaisgood, R. R., 632
Swanson, B. J., 1346
Swanson, W. J., 32
Sweeney, J. C., 59
Swihart, R. K., 564, 573
Tamlin, A. L., 946
Tatman, N. M., 1482
Tenaglia, K. M., 580
Thabah, A., 728
Theis, K. R., 1017
Thill, R. E., 974
Thomas, D., 394
Thorington, R. W., Jr., 882
Torre, I., 526
Torres-Flores, J. W., 515
Torunsky, R., 696
Tranchant, Y., 1074
Triant, D. A., 908
Trujano-Alvarez, A. L., 343
van der Merwe, M., 1179
Van Etten, K. W., 1498
Van Vuren, D. H., 1523
Van Zant, J. L., 580
Vidal, E., 1074
Vizcaíno, S. F., 502
Vogel, P., 706
Vohralík, V., 706
Vrana, P. B., 5
Vujošević, M., 689
Waits, L. P., 129, 1288
Walker, R. S., 519
Wallace, M. C., 1482
Wang, Y., 728, 736
Ward, S. J., 119
Weckerly, F. W., 415
Weigl, P. D., 882
Weir, R. D., 1508
Wells, R. S., 59
Westerman, M., 696, 1381
Westgate, A. J., 678
Wheatley, M., 220
Whisson, D. A., 589
White, A. M., 625
White, J. A., 234
White, P. J., 421
Whorley, J. R., 1404
Wickliffe, J. K., 330
Wiewel, A. S., 250
Wilcove, D. S., 1363
Williams, B. W., 1342
Williams, C. L., 129
Williams, T. M., 67
Wilson, J. A., 1523
Wilson, K. R., 1498
Winchell, C. S., 173
Wolff, J. O., 989
Wood, D. J. A., 1271
Woodroffe, R., 181
Woolley, P. A., 1381
Wooten, M. C., 580
Wyant, K. A., 1248
York, A. E., 408
Zeng, Z., 1170
Zhang, J.-P., 1393
Zhang, J.-S., 1393
Zhang, S., 728, 736
Zhang, S.-Y., 1393
Zhao, E., 1170
Zhao, H., 736
Zhu, G.-J., 1393
Zubaid, A., 105

Journal of Mammalogy, 88(6):1587–1598, 2007

Subjects

(New names in *italic* type)

A
Abundance:
  heteromyid rodent community responses to large- and small-scale resource pulses, 1280
  mark-recapture studies and track tube sampling compared, 250
Acr (acrosin) gene, 32
Activity pattern:
  Cervus elaphus, 508
  Crocuta crocuta, 1017
  Dipodomys ordii, 234
  Heliophobius argenteocinereus, 1009
  Rhinophylla pumilio, 81
Adaptation:
  Acr (acrosin) gene, 32
  genomic studies, 1
  in high-altitude mammals, 24
Aepyceros melampus, 181
Aerial photogrammetry:
  Orcinus orca, 43
AFLP (amplified fragment length polymorphism):
  Sigmodon hispidus, 351
Africa:
  Aepyceros melampus, 181
  Bathyergus suillus, 657
  Ceratotherium simum, 632
  Crocuta crocuta, 1017
  Cynictis penicillata, 194
  Heliophobius argenteocinereus, 1009
  Hipposideros commersoni, 959
  Lycaon pictus, 181
  Madoqua kirkii, 181
  Mastomys (2 spp.), 1179
  Miniopterus manavi, 959
  Miniopterus soroculus, 1216
  Mops condylurus, 1248
  Myotis goudoti, 959
  Syncerus caffer nanus, 1312
  Triaenops (2 spp.), 959
African elephant, 151
African wild dogs, 181
Age estimation:
  Arctocephalus forsteri, 639
  Monodon monoceros, 49
  Myotis (2 spp.), 649
Age variation:
  Bathyergus suillus, 657
Age-biased parasitism, 1539
Aging fawns:
  Odocoileus (2 spp.), 1482
Agriculture:
  patch and landscape-level predictors of tree squirrel occurrence, 564
Alabama:
  Peromyscus polionotus ammobates, 580
Alabama beach mouse, 580
Alaska:
  Gulo gulo, 793
  Ursus americanus, 1288
Alberta:
  Tamiasciurus hudsonicus, 220
Alces alces, 139
Alien species. *See* Introduced species
Allometry, cranial:
  Talpa europaea, 667
Allopatry:
  Rhinonicteris aurantia, 94
Alpine ibex, 1488
Altitude:
  physiological adaptation in high-altitude mammals, 24
Amazon region:
  Calomys species, 769
American bison, 595
American marten, 1342, 1346
American mink, 946
Ammonspermophilus:
  insularis, 1160
  leucurus, 1160, 1404
Analysis of variance, 1160
Anatomy:
  Glaucomys (2 spp.), 882
  Glaucomys sabrinus, 837
Ancient DNA:
  Martes pennanti, 921
Andean mountain cat, 519
Angolan free-tailed bat, 1248
Animal capture:
  American Society of Mammalogists (ASM) guidelines, 809
Animal care:
  American Society of Mammalogists (ASM) guidelines, 809
Antarctica:
  Orcinus orca, 43
Antelope ground squirrel, 1160, 1404
Antipredator behavior:
  Capra ibex, 1488
Apodemus:
  flavicollis, 330, 689
  sylvaticus, 330
  uralensis, 330
  witherbyi, 330
Appalachian Mountains:
  Myodes gapperii, 759
  Ursus americanus, 1050, 1062
Aquila chrysaëtos, 1029
Arcobates pygmaeus, 119
Arctic animals:
  Ovibos moschatus, 625
Arctic fox, 384
Arctocephalus forsteri, 639
Argentina:
  Calomys musculinus, 777
  Chaetophractus (2 spp.), 502
  Chaetophractus vellerosus, 1319
  Chinchilla chinchilla, 519
  Ctenomys, 519
  Dasypus hybridus, 502
  Lagidium viscacia, 519
  Leopardus (2 spp.), 519
  Lyalopex culpaeus, 519
  Microcavia australis, 165
  Oligoryzomys longicaudatus, 1555
Argentine hemorrhagic fever, 777
Arizona:
  Sigmodon hispidus, 351
Arkansas:
  Perimyotis subflavus, 974
Armadillo:
  big hairy, 502
  little hairy, 502, 1319
  southern long-nosed, 502
Artibeus:
  jamaicensis, 712
  planirostris, 712
  schwartzi, 712
  watsoni, 477
Artiodactyl:
  Acr (acrosin) gene, 32
Arvicolinae, 1170
Aselliscus:
  stoliczkanus, 736
  tricuspidatus, 736
Asia. *See also specific countries*
  Aselliscus stoliczkanus, 736
  Dyacopterus spadiceus, 302
  Ia io, 728
Aspartic acid racemization, 49
Assemblages:
  Chiropteran diversity of Taiwan, 1239
Australia:
  Arctocephalus forsteri, 639
  Petaurus norfolcensis, 1515
  Rhinonicteris aurantia, 94
  Tadarida australis, 1252
  Tarsipes rostratus, 401
Avoidance:
  of coyotes by striped skunk, 1040
Axis axis, 415

B
B chromosomes:
  Apodemus flavicollis, 689
Bacteria:
  cold shocks to rumen fermentation in naturally feeding muskoxen, 625
Baculum:
  Proedromys liangshanensis, 1170
Baiomys:
  musculus, 1447
  taylori, 1447
Baja California:
  Ammospermophilus leucurus, 1404
  Thomomys bottae, 343
Barbastella:
  barbastella, 1393
  beijingensis, 1393
  leucomelas, 1393
Basal metabolic rate:
  of canids, 394
Bat community, sampling methods for inventory of, 526
Bat detectors, 526
Bathyergidae:
  Heliophobius argenteocinereus, 1009
Bathyergus suillus, 657
Bats:
  Artibeus (3 spp.), 712
  Artibeus watsoni, 477
  Aselliscus stoliczkanus, 736
  Barbastella (3 spp.), 1393
  of Catalonia (22 species), 526
  Chiropteran diversity of Taiwan, 1239
  Cynopterus (4 spp.), 105
  Dyacopterus (3 spp.), 302
  Eptesicus fuscus, 1230

Glossophaga soricina, 1466
Hipposideros commersoni, 959
Ia io, 728
Leptonycteris curasoae, 1466
Micronycteris (4 subgenera), 1205
Miniopterus manavi, 959
Miniopterus soroculus, 1216
Mops condylurus, 1248
Myotis (2 spp.), 649
Myotis goudoti, 959
Myotis thysanodes, 967
Myotis volans, 1261
Perimyotis subflavus, 974
Rhinonicteris aurantia, 94
Rhinophylla pumilio, 81
Styloctenium mindorensis, 951
Tadarida australis, 1252
Triaenops (2 spp.), 959
Bayesian assignment tests:
Ursus americanus, 1288
Bears:
black, 1050, 1062, 1288
Florida black, 468
Behavior:
Dipodomys ordii surface activity, 234
movement decisions of meadow voles, 573
wolf predatory, 595
Behavioral classification:
Canis lupus predatory behavior, 595
Bermuda:
Tursiops truncatus, 59
Big brown bat, 1230
Big hairy armadillo, 502
Big-eared woodrat, 745
Bilateral symmetry, in pinneped dentition, 1325
Biodiversity:
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
Styloctenium mindorensis, 951
Biogeography:
Dyacopterus (3 spp.), 302
Glaucomys (2 spp.), 840
Glaucomys sabrinus, 837
heteromyid rodents, 1129
Rhynchomys (4 spp.), 287
Birth pulse, 1300
Birth site:
Odocoileus (2 spp.), 1482
Bison bison, 595
Black bear, 1050, 1062, 1288
Florida, 468
Black rat, 589
Black-tailed prairie dog, 241, 1029
Bladder nematode, 1539
Blubber:
body fat condition in franciscanas, 1335
depth changes in, 408
Bmp2:
Glaucomys (2 spp.), 882
Body condition:
Odocoileus virginianus, 1305
Pontoporia blainvillei, 1335
Tayassu tajacu, 124
Body fat:
Pontoporia blainvillei, 1335
Body mass/length:
Bathyergus suillus, 657
Body proportions:
Glaucomys (2 spp.), 882
Body size:
Cynopterus (4 spp.), 105
Glaucomys sabrinus, 882
Body weight:
Axis axis, 415
Boreal forest:
Glaucomys (2 spp.), 840
Glaucomys sabrinus, 837, 862, 897
Borneo:
Tupaia tana, 1427
Bottleneck:
Ctenomys flamarioni, 935
Bottlenose dolphins, 59
Bovidae:
Acr (acrosin) gene, 32
Brain volume:
Neovison vison, 946
Brazil:
Ctenomys flamarioni, 935
Marmosops paulensis, 158
Pontoporia blainvillei, 1335
Brazilian slender opossum, 158
Breeding behavior:
Rhinophylla pumilio, 81
Breeding season:
Ammospermophilus leucurus, 1404
British Columbia:
Alces alces, 139
Martes pennanti, 1508
Buffalo, forest, 1312
Burrow use:
Dipodomys ordii, 234

C
California:
Ammospermophilus leucurus, 1404
Cervus elaphus (3 subspecies), 801
Dipodomys ingens, 1000
Felis catus, 173
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
Neotoma (2 spp.), 745
Neotoma fuscipes, 1523
Rattus rattus, 589
Urocyon littoralis, 436
Urocyon littoralis clementae, 173
Vulpes macrotis, 1439
California sea lion, 67
California spotted owl, 1523
Calomys:
musculinus, 777
in South America (12 spp.), 769
Calving:
Alces alces, 139
Canada:
Alces alces, 139
Cervus elaphus, 614
Glaucomys (2 spp.), 226
Lynx canadensis, 457
Martes pennanti, 1508
Neovison vison, 946
Odocoileus virginianus, 614, 1305
Pagophilus groenlandicus, 1325
Pusa hispida, 1325
Tamiasciurus hudsonicus, 220
Vulpes velox, 1029
Canada lynx, 457
Canids:
basal metabolic rate, 394
induced estrus/ovulation, 436
Canis:
latrans, 1029, 1040, 1498
lupus, 595, 606
Canonical variate analysis, 614
Cape dune mole-rat, 657
Capillaria maseri, 1539
Capra ibex, 1488
Capture, animal:
American Society of Mammalogists (ASM) guidelines, 809
Odocoileus (2 spp.), 1482
Carnivores:
basal metabolic rate of canids, 394
Canis latrans, 1029, 1040, 1498
Canis lupus, 595, 606
Crocuta crocuta, 545, 1017
Cynictis penicillata, 194
Felis catus, 173, 1074
Genetta genetta, 201
Gulo gulo, 793
Ia io, 728
Leopardus (2 spp.), 519
Lyalopex culpaeus, 519
Lycaon pictus, 181
Lynx canadensis, 457
Martes americana, 1342, 1346
Mephitis mephitis, 1040
Neovison macrodon, 371
Nyctereutes procyonoides, 1090, 1098
Pagophilus groenlandicus, 1325
Procyon lotor, 441, 1082, 1090
Puma concolor, 1300
Pusa hispida, 1325
Urocyon littoralis, 436
Urocyon littoralis clementae, 173
Ursus americanus, 1050, 1062, 1288
Ursus americanus floridanus, 468
Vulpes lagopus, 384
Vulpes macrotis, 1029, 1429
Vulpes velox, 1029
Vulpes vulpes, 1498
Cat, feral, 173, 1074
Cattle grazing:
Crocuta crocuta activity patterns and, 1017
Cavity, tree:
Glaucomys (2 spp.), 226
Cavy, 165
Cementum, for age estimation:
Arctocephalus forsteri, 639
Central African Republic:
Syncerus caffer nanus, 1312
Central American dwarf squirrel, 882
Ceratotherium simum, 632
Cerrado:
Calomys species, 769
Cervus:
elaphus, 421, 508, 595, 614
elaphus nannodes, 801
elaphus nelsoni, 129, 801
elaphus roosevelti, 801
Cetacea:
Delphinus delphis, 678
Monodon monoceros, 49
Orcinus orca, 43
Pontoporia blainvillei, 1335
Tursiops truncatus, 59
Chaetodipus, 1129
formosus, 1280
Chaetophractus:
vellerosus, 502, 1319
villosus, 502
Chile:
spatial ecology of small mammals, 1532
China:
Aselliscus stoliczkanus, 736
Barbastella beijingensis, 1393
Dyacopterus rickarti, 302
Ia io, 728
Microtus limnophilus, 1170
Miniopterus soroculus, 1216
Monodelphis handleyi, 319
Neodon irene, 1170
Proedromys (2 spp.), 1170
Proedromys liangshanensis, 1170
Rhynchomys banahao, 287

Rhynchomys tapulao, 287
Styloctenium mindorensis, 951
Volemys musseri, 1170
Chinchilla, short-tailed, 519
Chinchilla chinchilla, 519
Chiroptera:
Aselliscus stoliczkanus, 736
Barbastella (3 spp.), 1393
Cynopterus (4 spp.), 105
Glossophaga soricina, 1466
Hipposideros commersoni, 959
Leptonycteris curasoae, 1466
Miniopterus manavi, 959
Miniopterus soroculus, 1216
Mops condylurus, 1248
Myotis goudoti, 959
Rhinonicteris aurantia, 94
Styloctenium mindorensis, 951
Taiwan bat assemblages, 1239
Triaenops (2 spp.), 959
Chiropterophilous flower, 1466
Circadian activity:
Heliophobius argenteocinereus, 1009
Clearing, forest:
Syncerus caffer nanus, 1312
Clethrionomys gapperi, 759
Climate change:
basal metabolic rate of canids, 394
Peromyscus maniculatus, 982
Coevolution:
filovirus reservoirs, 1544
Tamiasciurus hudsonicus and Pinus, 220
Coexistence:
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
Colilargo, long-tailed, 1555
Collared peccary, 124
Colocolo, 519
Colorado:
Cynomys ludovicianus, 241
Eptesicus fuscus, 1230
Onychomys leucogaster, 241
Peromyscus maniculatus, 241
Spermophilus tridecemlineatus, 241
Common genets, 201
Community:
Chiropteran diversity of Taiwan, 1239
Community relations:
Glaucomys sabrinus, 862
Competition:
Cynopterus (4 spp.), 105
Felis catus and Urocyon littoralis clementae, 173
forest microchiroptera of Madagascar (5 spp.), 959
mesopredator release hypothesis, 1040
raccoons and raccoon dogs in Japan, 1090
Concentration preferences, bat pollination and, 1466
Condition. *See* Body condition
Cone serotiny, 220
Conservation:
Chaetophractus (2 spp.), 502
Dasypus hybridus, 502
Glaucomys (2 spp.), 840
Glaucomys sabrinus, 837, 897
of grassland birds, 1082
Lycaon pictus, 181
Marmota vancouverensis, 1412
Rhynchomys (4 spp.), 287
Vulpes (2 spp.), 1029
Conservation tools:
for tree squirrel introduction, 1271
Control region studies:
Martes pennanti, 921
Neotoma micropus, 360
Core area:
Lynx canadensis, 457
Costa Rica:
Artibeus watsoni, 477
Cotton rat, hispid, 351
Coyote, 1029, 1040, 1498
Cranial morphology:
Bathyergus suillus, 657
Delphinus delphis, 678
Miniopterus (4 spp.), 1216
Talpa europaea, 667
Craniometrics:
Mastomys (2 spp.), 1179
Crocidura zarudnyi, 706
Crocuta crocuta, 545, 1017
Ctenomys, 519
flamarioni, 935
Culpeo, 519
Cynictis penicillata, 194
Cynomys:
ludovicianus, 241, 1029
parvidens, 555
Cynopterus:
brachyotis, 105
horsfieldii, 105
sphinx, 105
Cytochrome *b*:
Apodemus (4 spp.), 330
Artibeus jamaicensis, 712
Barbastella (3 spp.), 1393
Calomys (12 spp.), 769
Calomys musculinus, 777
Crocidura zarudnyi, 706
Ia io, 728
Martes pennanti, 921
Micronycteris (4 subgenera), 1205
Microtus ochrogaster, 908
Monodelphis (5 spp.), 319
Murexia (5 spp.), 696
Ochotona (10 spp.), 1195
Peromyscus, 1146
Sigmodon hispidus, 351
Cytogenetics:
Crocidura zarudnyi, 706
Cytokines:
in Cervus elaphus, 421

D
Danum Valley:
Tupaia tana, 1427
Dasypodidae:
Chaetophractus vellerosus, 1319
Dasypus hybridus, 502
Dasyurid marsupials, 1381
Dasyuridae:
Murexia (5 spp.), 696
Sminthopsis (19 spp.), 1381
Data registries, 275
Deer:
axis, 415
mule, 1482
red, 508
white-tailed, 427, 614, 1305, 1482
Deer mouse, 24, 982
Delphinus delphis, 678
Demography:
Ctenomys flamarioni, 935
Glaucomys sabrinus, 862, 897
Martes americana, 1342
Myotis (2 spp.), 649
Peromyscus maniculatus, 982
Den sites:
Ursus americanus, 1062
Den use:
Crocuta crocuta, 1017
Dentition:
Arctocephalus forsteri, 639
Bathyergus suillus, 657
Mastomys (2 spp.), 1179
Miniopterus (4 spp.), 1216
Neovision (2 spp.), 371
Pagophilus groenlandicus, 1325
Pusa hispida, 1325
Rhynchomys (4 spp.), 287
Vulpes lagopus, 384
Desert habitat:
Ammospermophilus leucurus, 1404
Nesoryzomys swarthi, 208
Detection:
of predators by Cynomys parvidens, 555
Development:
Mops condylurus, 1248
Talpa europaea, 667
Didelphis virginiana, 119
Diet:
Aselliscus stoliczkanus, 736
Cervus elaphus, 614
Chaetophractus vellerosus, 1319
Felis catus, 173, 1074
forest microchiroptera of Madagascar (5 spp.), 959
Glaucomys sabrinus, 897
Ia io, 728
Leopardus (2 spp.), 519
Lyalopex culpaeus, 519
Lycaon pictus, 181
Marmosops paulensis, 158
Microcavia australis, 165
Microtus quasiater, 515
Mus musculus, 1475
Myotis volans, 1261
Odocoileus virginianus, 614
Urocyon littoralis clementae, 173
Digestive traits:
Microcavia australis, 165
Dikdik, 181
Dipodomys, 1129
ingens, 1000
ordii, 234
Discriminant analysis studies:
Delphinus delphis, 678
Disease:
hantavirus pulmonary syndrome, 1119
Dispersal:
Ctenomys flamarioni, 935
Glaucomys sabrinus, 862
Gulo gulo, 793
Lepus timidus hibernicus, 784
Dispersed pair-living:
Tupaia tana, 1427
Distribution:
Apodemus (4 spp.), 330
Chaetophractus (2 spp.), 502
Dasypus hybridus, 502
Glaucomys sabrinus, 862
Oligoryzomys longicaudatus, 1555
Rhynchomys (4 spp.), 287
Diurnal activity:
Martes pennanti, 1508
Dive behavior:
Tursiops truncatus, 59
Diversity:
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
D-loop sequences:
Neotoma micropus, 360
Dog, African wild, 181
Dolphin:
bottlenose, 59
common, 678

Doubly labeled water, 401
Dreys, 495
Dry forest, bat-pollination in, 1466
Dunnarts, 1381
Dusky-footed woodrat, 745, 1523
Dyacopterus:
  brooksi, 302
  rickarti, 302
  spadiceus, 302

E
Eagle, golden, 1029
Eastern gray squirrel, 564
Eastern pipistrelle, 974
Ebola virus, 1544
Echolocation:
  Aselliscus stoliczkanus, 736
  Ia io, 728
  Rhinonicteris aurantia, 94
Ecological physiology:
  adaptation in high-altitude mammals, 24
Ecologically adaptive trait:
  call frequency in Rhinonicteris aurantia, 94
Ecology:
  Chaetophractus (2 spp.), 502
  Dasypus hybridus, 502
  Glaucomys sabrinus, 837, 862, 897
  Rhynchomys (4 spp.), 287
Ecomorphology:
  Cynopterus (4 spp.), 105
Effective population size:
  Martes americana, 1342, 1346
El Niño:
  heteromyid rodent community responses to large- and small-scale resource pulses, 1280
  spatial ecology of small mammals in Chile, 1532
El Niño Southern Oscillation (ENSO):
  spatial ecology of small mammals in Chile, 1532
Elephant, African, 151
Elk, 421, 595, 614
  Rocky Mountain, 129, 801
  Roosevelt, 801
  tule, 801
Embryonic diapause:
  Zalophus californianus, 67
Emergence behavior:
  Dipodomys ordii, 234
Endangered animals:
  Peromyscus polionotus ammobates, 580
Energetic equivalence, 1466
Environmental differences:
  Thomomys bottae, 926
Environmental stress:
  Odocoileus virginianus, 1305
Environmental variation:
  Ammospermophilus leucurus, 1404
  heteromyid rodent community responses to large- and small-scale resource pulses, 1280
  Microcavia australis, 165
Epigenetics, 5
Eptesicus fuscus, 1230
Estrogen:
  Urocyon littoralis, 436
  Zalophus californianus, 67
Estrus:
  induced in Urocyon littoralis, 436
Ethics, animal use:
  American Society of Mammalogists (ASM) guidelines, 809
Ethogram:
  Canis lupus predatory behavior, 595
Euclidean distance analysis, 1498
Eulipotyphla:
  Talpa europaea, 667
Eumetopias jubatus, 408
Europe:
  Apodemus (4 spp.), 330
  Apodemus flavicollis, 689
  bat fauna of Catalonia, 526
  Canis lupus, 606
  Capra ibex, 1488
  Cervus elaphus, 508
  Felis catus, 1074
  Genetta genetta, 201
  Lepus timidus hibernicus, 784
European mole, 667
Evolution:
  Acr (acrosin) gene, 32
  adaptation to hypoxia in high-altitude mammals, 24
  Glaucomys (2 spp.). 840, 882
  Glaucomys sabrinus, 837
  of intelligence, 545
Evolutionary history:
  Neotoma micropus, 360
Evolutionary physiology:
  adaptation in high-altitude mammals, 24
Extinction:
  tree squirrel introduction, 1271
Extrinsic modification:
  Odocoileus virginianus, 1305

F
Fawns:
  Odocoileus (2 spp.), 1482
Fear of nature, 1119
Feathertail glider, 119
Fecal analysis:
  Felis catus, 173, 1074
  forest microchiroptera of Madagascar (5 spp.), 959
  Leopardus (2 spp.), 519
  Lyalopex culpaeus, 519
  Lycaon pictus, 181
  Marmosops paulensis, 158
  Microtus quasiater, 515
  Myotis volans, 1261
  Urocyon littoralis, 436
  Urocyon littoralis clementae, 173
  Vulpes (2 spp.), 1029
Fecundity:
  Odocoileus virginianus, 427
Federal regulations, 809
Feeding ecology:
  Felis catus, 1074
Felis catus, 173, 1074
Fermentation gut capacity, in axis deer, 415
Fertility, age-specific:
  Odocoileus virginianus, 427
Fertilization:
  Acr (acrosin) gene, 32
Fibrinogen gene sequences:
  Micronycteris (4 subgenera), 1205
Field metabolic rate:
  Tarsipes rostratus, 401
Fieldwork, perils of, 1119
Filovirus, 1544
First occurrence:
  Megalonyx jeffersonii in North Dakota, 73
First-cohort advantage hypothesis, 119
Fisher, 921, 1508
Fission-fusion dynamics of white-striped free-tailed bats, 1252
Flight morphology:
  Ia io, 728
Florida:
  Ursus americanus floridanus, 468
Florida black bear, 468
Flying squirrel:
  northern, 226, 837, 840, 850, 862, 882, 897
  southern, 226, 840, 882
Food availability:
  Marmosops paulensis, 158
  Nesoryzomys swarthi, 208
Food habits:
  forest microchiroptera of Madagascar (5 spp.), 959
  Leopardus (2 spp.), 519
  Lyalopex culpaeus, 519
Foraging:
  Artibeus watsoni, 477
  Glaucomys sabrinus, 862
  Lycaon pictus, 181
  Myotis volans, 1261
  Ovibos moschatus, 625
  Rhinophylla pumilio, 81
Force, measurement in Glaucomys sabrinus locomotion, 850
Forest buffalo, 1312
Forest habitat:
  food habits of forest microchiroptera of Madagascar (5 spp.), 959
  Glaucomys (2 spp.), 226
  Myotis thysanodes, 967
  Myotis volans, 1261
  Perimyotis subflavus, 974
  predictors of tree squirrel occurrence, 564
  Syncerus caffer nanus, 1312
Fossil:
  Megalonyx jeffersonii, 73
Fox:
  arctic, 384
  island, 173, 436
  kit, 1029, 1429
  red, 1498
  swift, 1029
Fractal dimension:
  in raccoon dog pathways, 1098
  in raccoon pathways, 1082
Fragmentation:
  movement decisions of meadow voles, 573
  predictors of tree squirrel occurrence, 564
Franciscana, 1335
Franklin's ground squirrel, 250
French Guiana:
  Rhinophylla pumilio, 81
Fringed myotis, 967
Frugivory:
  Cynopterus (4 spp.), 105
  Marmosops paulensis, 158
Fruit abundance:
  Tupaia tana, 1427
Fruit bat:
  Cynopterus (4 spp.), 105
  Dyacopterus (3 spp.), 302
  Rhinophylla pumilio, 81
Functional morphology:
  gliding by Glaucomys sabrinus, 850
Fur seal, New Zealand, 639

G
Galápagos islands:
  Nesoryzomys swarthi, 208
Gene flow:
  Cervus elaphus nelsoni, 129
Generalized linear model, 1555
Genetic divergence:
  Sigmodon hispidus, 351
Genetic diversity:
  Cervus elaphus (3 subspecies), 801
  Cervus elaphus nelsoni, 129
  Lepus timidus hibernicus, 784

Neotoma micropus, 360
Ursus americanus, 1288
Genetic homogeneity:
Thomomys bottae, 926
Genetic population structure:
Ursus americanus, 1288
Genetic relatedness:
Peromyscus polionotus ammobates, 580
Genetic species concept:
Artibeus jamaicensis complex, 712
mitochondrial DNA (mtDNA) translocations and, 908
Genetic structure:
Ctenomys flamarioni, 935
Lepus timidus hibernicus, 784
Myodes gapperi, 759
Neotoma (2 spp.), 745
Neotoma micropus, 360
Genetic variability/variation:
Martes americana, 1342, 1346
Neotoma (2 spp.), 745
Genetics:
Cervus elaphus (3 subspecies), 801
Glaucomys sabrinus, 897
Gulo gulo, 793
Martes pennanti, 921
Thomomys bottae, 926
Genetta genetta, 201
Genomic imprinting, 5
Genomics:
adaptation and speciation studies, 1
Geographic distribution:
coevolved reservoirs of filovirus, 1544
Geographic groups:
Rhinonicteris aurantia, call frequency differences in, 94
Geographic variation:
Delphinus delphis, 678
Vulpes lagopus, 384
in wolf howls, 606
Georgia:
Sigmodon hispidus, 351
Glaucomys:
sabrinus, 226, 837, 840, 850, 862, 882
volans, 226, 840, 882
Glider:
feathertail, 119
squirrel, 1515
Gliding:
Glaucomys (2 spp.), 882
Glaucomys sabrinus, 850
Global positioning system:
Lynx canadensis, 457
Glossophaga soricina, 1466
Golden eagle, predation on swift foxes, 1029
Grasshopper mouse, northern, 241
Grasslands:
conservation of grassland birds, 1082
rodent communities in shortgrass steppe, 241
Gray squirrel, eastern, 564
Great evening bat, 728
Greater Yellowstone Ecosystem:
Cervus elaphus nelsoni, 129
Greenland:
Monodon monoceros, 49
Ground sloth, Jefferson's, 73
Ground squirrel:
antelope, 1160, 1404
Franklin's, 250
13-lined, 241, 250
Group-size effect:
Cynomys parvidens, 555
Growth:
Monodon monoceros, 49
Mops condylurus, 1248
Peromyscus (2 spp.), 5
Growth models:
Myotis (2 spp.), 649
Gulo gulo, 793

H
Habitat:
Myotis thysanodes, 967
Sciurus aureogaster, 495
Habitat associations:
Neotoma fuscipes, 1523
rodent communities in shortgrass steppe, 241
Habitat composition:
Petaurus norfolcensis, 1515
Habitat quality:
Ursus americanus, 1050, 1062
Habitat relations:
Glaucomys sabrinus, 862
Habitat selection:
Alces alces, 139
elk and white-tailed deer in winter, 614
Myotis volans, 1261
Nyctereutes procyonoides, 1098
Procyon lotor, 1082
Ursus americanus, 1050
Vulpes vulpes, 1498
Habitat use:
Alces alces, 139
Glaucomys sabrinus, 862, 897
Myotis volans, 1261
Nyctereutes procyonoides, 1090
Procyon lotor, 1090
Hantavirus, 1119
Hantavirus pulmonary syndrome, 1119
Hantavirus reservoir, 1555
Haplotypes:
Ammonspermophilus (2 spp.), 1160
Harbor seal, 408
Hare, mountain, 784
Harp seal, 1325
Heliophobius argenteocinereus, 1009
Hemoglobin, function in high-altitude mammals, 24
Hemorrhagic fever, Argentine, 777
Herd size:
Syncerus caffer nanus, 1312
Heteromyidae, 1129
Heteromys, 1129
Heterothermy:
Glaucomys sabrinus, 897
Hipposideridae:
Aselliscus stoliczkanus, 736
Rhinonicteris aurantia, 94
Hipposideros commersoni, 959
Hispid cotton rat, 351
Historical biogeography:
heteromyid rodents, 1129
Home range:
Artibeus watsoni, 477
Calomys musculinus, 777
contraction of large mammal fauna, 1363
Dipodomys ingens, 1000
Glaucomys sabrinus, 862, 897
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
Lepus timidus hibernicus, 784
Lynx canadensis, 457
Microtus ochrogaster, 989
Myotis volans, 1261
Nyctereutes procyonoides, 1098
Petaurus norfolcensis, 1515
Rattus rattus, 589
Rhinophylla pumilio, 81
Ursus americanus floridanus, 468
Vulpes (2 spp.), 1029
Homology:
Talpa europaea, 667
Honey possum, 401
Hoof growth:
Odocoileus (2 spp.), 1482
Hormones:
Zalophus californianus, 67
House use:
Neotoma fuscipes, 1523
House-site association:
Neotoma fuscipes, 1523
Housing animals:
American Society of Mammalogists (ASM) guidelines, 809
Howl, wolf, 606
Hox genes:
Glaucomys (2 spp.), 882
Human disturbance:
Crocuta crocuta, 1017
Human impact:
large mammal fauna as indicator of global, 1363
Human-wildlife conflict:
Lycaon pictus, 181
Hybrid zones:
genomic studies, 1
Sigmodon hispidus, 351
Hybridization:
Eptesicus fuscus, 1230
Hyena, 545, 1017
Hyperpredation, 1074
Hypoxia, adaptation in high-altitude mammals, 24

I
Ia io, 728
Iberian wolf, 506
Ibex, 1488
Idaho:
Martes pennanti, 921
Myotis volans, 1261
Puma concolor, 1300
Illinois:
Mephitis mephitis, 1040
Microtus ochrogaster, 989
Procyon lotor, 441
Immunocompetence:
Cervus elaphus, 421
Impala, 181
India:
Ia io, 728
Indiana:
Microtus pennsylvanicus, 573
Myotis (2 spp.), 649
Sciurus carolinensis, 564
Tamiasciurus hudsonicus, 564
Individual recognition:
wolf howls, 606
Indonesia:
Dyacopterus (2 spp.), 302
Infanticide:
Cynomys parvidens, 555
Insectivory:
forest microchiroptera of Madagascar (5 spp.), 959
Myotis volans, 1261
Rhynchomys (4 spp.), 287
Institutional Animal Care and Use Committee, 809
Intelligence, evolution of, 545
Intensity of infection, 1539
Interleukin-6:
Cervus elaphus, 421
Interspecific interactions:
Glaucomys sabrinus, 862
killing of Vulpes species by coyotes, 1029

Intraguild predation:
on Vulpes species by coyotes, 1029
Intraspecific scaling:
in Axis axis, 415
Intraspecific variation:
Microcavia australis, 165
Introduced species:
Felis catus, 173, 1074
Procyon lotor, 1090
Iran:
Crocidura zarudnyi, 706
Ireland:
Lepus timidus hibernicus, 784
Irruptions:
of small mammals during ENSO warm phase, 1532
Island fox, 173, 436
Island habitats/populations:
Ammonspermophilus (2 spp.), 1160
feeding ecology of feral cats, 1074
Nesoryzomys swarthi, 208
Vulpes lagopus, 384
Isolation by distance, 784, 793
Italy:
Capra ibex, 1488

J
Jalapan pine vole, 515
Japan:
Nyctereutes procyonoides, 1090, 1098
Procyon lotor, 1090
Jefferson's ground sloth, 73
Joint captures:
Peromyscus polionotus ammobates, 580
Junin virus, 777

K
Kalahari:
Cynictis penicillata, 194
Kangaroo rat:
giant, 1000
Ord's, 234
Kansas:
Microtus ochrogaster, 989
Peromyscus maniculatus, 982
Sigmodon hispidus, 351
Kenai Peninsula:
Ursus americanus, 1288
Kenya:
Aepyceros melampus, 181
Crocuta crocuta, 1017
Lycaon pictus, 181
Madoqua kirkii, 181
Kernel density method, 468
Killer whale, 43
Kinematics:
of Glaucomys sabrinus locomotion, 850
Kinship selection:
Peromyscus (2 spp.), 5
Kit fox, 1029, 1429

L
Labrador:
Pagophilus groenlandicus, 1325
Lactation:
Cynomys parvidens, 555
Mus musculus, 1475
Rhinophylla pumilio, 81
Lagidium viscacia, 519
Landing, in Glaucomys sabrinus locomotion, 850
Large mammals:
persistence as indicator of global human impact, 1363
Latrines:
Genetta genetta, 201
Leaf-nosed bat, 94, 1205
Leaping, in Glaucomys sabrinus locomotion, 850
Leopardus:
colocolo, 519
jacobitus, 519
Leptonycteris curasoae, 1466
Lepus timidus hibernicus, 784
Leuconycteris, 1205
Lévy walk, 151
Life history:
Ammospermophilus leucurus, 1404
Nesoryzomys swarthi, 208
Odocoileus virginianus, 1305
Life-table response experiment:
Peromyscus maniculatus, 982
Light intensity:
effect on Dipodomys ordii surface activity, 234
Limiting factors:
Glaucomys sabrinus, 862
Liniscus maseri, 1539
Liomys, 1129
Litter size:
Ammospermophilus leucurus, 1404
Eptesicus fuscus, 1230
Marmota vancouverensis, 1412
Microtus (3 spp.), 1420
Little hairy armadillo, 502, 1319
Livestock grazing:
Crocuta crocuta activity patterns and, 1017
Livetrapping:
Ammospermophilus leucurus, 1404
Dipodomys ingens, 1000
Dipodomys ordii, 234
Glaucomys (2 spp.), 226
mark-recapture studies and track tube sampling compared, 250
Marmosops paulensis, 158
Mephitis mephitis, 1040
Microtus pennsylvanicus, 573
Microtus quasiater, 515
Nesoryzomys swarthi, 208
Peromyscus maniculatus, 982
Peromyscus polionotus ammobates, 580
Procyon lotor, 441
Rattus rattus, 589
Tamiasciurus hudsonicus, 220
Ursus americanus, 1050, 1062
Vulpes (2 spp.), 1029
Locomotion:
Glaucomys sabrinus, 837, 850
Lodgepole pines, red squirrels and, 220
Longevity:
Arctocephalus forsteri, 639
Monodon monoceros, 49
Longitudinal variation:
Ammospermophilus leucurus, 1404
Long-legged myotis, 1261
Long-tailed colilargo, 1555
Long-tailed pocket mouse, 1280
Long-tongued bat, 1466
Looping movement, by Loxodonta africana, 151
Louisiana:
Sigmodon hispidus, 351
Loxodonta africana, 151
Lyalopex culpaeus, 519
Lycaon pictus, 181
Lynx canadensis, 457

M
Madagascar:
Hipposideros commersoni, 959
Miniopterus manavi, 959
Miniopterus soroculus, 1216
Myotis goudoti, 959
Triaenops (2 spp.), 959
Madoqua kirkii, 181
Maine:
Neovison macrodon, 371
Malawi:
Heliophobius argenteocinereus, 1009
Malaysia:
Cynopterus (4 spp.), 105
Dyacopterus spadiceus, 302
Tupaia tana, 1427
Management:
tree squirrel introduction, 1271
Mandible:
Apodemus flavicollis, 689
Marburg virus, 1544
Marine mammals:
Arctocephalus forsteri, 639
Delphinus delphis, 678
Eumetopias jubatus, 408
Monodon monoceros, 49
Orcinus orca, 43
Phoca vitulina, 408
Tursiops truncatus, 59
Zalophus californianus, 67
Marking:
American Society of Mammalogists (ASM) guidelines, 809
Mark-recapture studies:
track tube sampling compared, 250
Marmosops paulensis, 158
Marmot, Vancouver Island, 1412
Marmota vancouverensis, 1412
Marsupials:
Arcobates pygmaeus, 119
Didelphis virginiana, 119
Marmosops paulensis, 158
Murexia (5 spp.), 696
Petaurus breviceps, 850
Petaurus norfolcensis, 1515
Sminthopsis (19 spp.), 1381
Tarsipes rostratus, 401
Marten, 1342, 1346
Martes:
americana, 1342, 1346
pennanti, 921, 1508
Masai Mara National Reserve, 1017
Masked shrew, 1539
Mastomys:
coucha, 1179
natalensis, 1179
Mate guarding:
Cynomys parvidens, 555
Maternal age:
Tayassu tajacu, 124
Maternal behavior:
Microtus (3 spp.), 1420
Maternal condition:
Odocoileus virginianus, 1305
Maternal investment:
Ceratotherium simum, 632
Mating system:
Dipodomys ingens, 1000
Microtus ochrogaster, 989
Matrix population model:
Peromyscus maniculatus, 982
Matrix structure:
effects on movement decisions of meadow voles, 573
Meadow vole, 250, 1420
Mediterranean landscape:
Genetta genetta latrine sites, 201
Mediterranean region:
bat fauna of Catalonia, 526
Megachiroptera:
Styloctenium mindorensis, 951
Megalonyx jeffersonii, 73

Mephitis mephitis, 1040
Mesopredator release hypothesis, 1040
Mexican red-bellied squirrel, 495
Mexico:
  Ammonspermophilus (2 spp.), 1160
  Ammospermophilus leucurus, 1404
  Glossophaga soricina, 1466
  Leptonycteris curasoae, 1466
  Microtus quasiater, 515
  Sciurus aureogaster, 495
  Thomomys bottae, 343, 926
  Vulpes macrotis, 1029
Michigan:
  Martes americana, 1342, 1346
Microcavia australis, 165
Microchiroptera:
  Hipposideros commersoni, 959
  Miniopterus manavi, 959
  Myotis goudoti, 959
  Triaenops (2 spp.), 959
Microdipodops, 1129
Micronycteris, 1205
Microsatellite DNA:
  Cervus elaphus (3 subspecies), 801
  Cervus elaphus nelsoni, 129
  Ctenomys flamarioni, 935
  Gulo gulo, 793
  Lepus timidus hibernicus, 784
  Martes americana, 1342, 1346
  Microtus ochrogaster, 989
  Neotoma (2 spp.), 745
  Neotoma micropus, 360
  Procyon lotor, 441
  Ursus americanus, 1288
Microsciurus:
  alfari, 882
  mimulus, 882
Microtus:
  limnophilus, 1170
  ochrogaster, 908, 989, 1420
  pennsylvanicus, 250, 573, 1420
  pinetorum, 1420
  quasiater, 515
Milk composition:
  Mus musculus, 1475
Mindoro Island:
  Styloctenium mindorensis, 951
Minimum convex polygon, 468
Miniopterus:
  manavi, 959
  soroculus, 1216
Mink:
  American, 371, 946
  sea, 371
Minnesota:
  Lynx canadensis, 457
  Odocoileus virginianus, 427
Mismatch distribution analysis:
  Calomys musculinus, 777
Mist nests, for inventory of bat communities, 526
Mitochondrial DNA (mtDNA):
  Ammonspermophilus (2 spp.), 1160
  Artibeus jamaicensis, 712
  Calomys (12 spp.), 769
  Calomys musculinus, 777
  Crocidura zarudnyi, 706
  Eptesicus fuscus, 1230
  Glaucomys (2 spp.), 840
  heteromyid rodents, 1129
  Ia io, 728
  Martes pennanti, 921
  Monodelphis (5 spp.), 319
  Murexia (5 spp.), 696
  Myodes gapperii, 759
  Ochotona (10 spp.), 1195
  Peromyscus, 1146
  Sigmodon hispidus, 351
  translocations of, 908
  Ursus americanus, 1288
Modeling:
  movement decisions of meadow voles, 573
  tree squirrel introduction, 1271
Molar morphology:
  Bathyergus suillus, 657
Mole:
  European, 667
Molecular phylogeny. *See* Phylogeny
Molecular systematics. *See* Systematics
Mole-rat:
  Cape dune, 657
  silvery, 1009
Mongoose, yellow, 194
Monodelphis:
  adusta, 319
  handleyi, 319
  melanops, 319
  osgoodi, 319
  peruviana, 319
  ronaldi, 319
Monodon monoceros, 49
Monogamy:
  Microtus ochrogaster, 989
  Tupaia tana, 1427
  Vulpes macrotis, 1439
Montana:
  Martes pennanti, 921
Moose, 139
Mops condylurus, 1248
Morphologic variation:
  Vulpes lagopus, 384
Morphological integration:
  Apodemus flavicollis, 689
Morphology:
  Cynopterus (4 spp.), 105
  Dyacopterus (3 spp.), 302
  Glaucomys (2 spp.), 882
  Glaucomys sabrinus, 850
  Microcavia australis, 165
  Neovision (2 spp.), 371
  Rhynchomys (4 spp.), 287
  Sminthopsis (19 spp.), 1381
  Thomomys bottae, 343
Morphometrics:
  Bathyergus suillus, 657
  Cynopterus (4 spp.), 105
  Delphinus delphis, 678
  Dyacopterus (3 spp.), 302
  Glaucomys sabrinus, 850, 882
  Mastomys (2 spp.), 1179
  Orcinus orca, 43
  Pagophilus groenlandicus, 1325
  Pusa hispida, 1325
  Rhinonicteris aurantia, 94
  Rhynchomys (4 spp.), 287
  Talpa europaea, 667
  Thomomys bottae, 926
Mortality:
  Mephitis mephitis, 1040
Mountain cloud forest:
  Microtus quasiater, 515
Mountain hare, 784
Mountain vizcacha, 519
Mouse:
  Alabama beach, 580
  deer, 24, 982, 1146
  European field, 330
  molecular systematics of heteromyid rodents, 1129
  multimammate, 1179
  northern grasshopper, 241
  pgymy, 1447
  pocket, long-tailed, 1280
  singing or brown, 1447
  yellow-necked field, 689
Mouse opossum, 158
Movement:
  Alces alces, 139
  Crocuta crocuta, 1017
  Glaucomys sabrinus, 862
  Loxodonta africana, 151
  Lynx canadensis, 457
  Microtus pennsylvanicus, 573
  Nyctereutes procyonoides, 1098
  Procyon lotor, 1082
  Rattus rattus, 589
  Rhinophylla pumilio, 81
  Tursiops truncatus, 59
Multimammate mice, 1179
Multiple paternity:
  Procyon lotor, 441
Murexia:
  habbema, 696
  longicaudata, 696
  melanurus, 696
  naso, 696
  rothschildi, 696
Mus:
  domesticus, 1
  musculus, 1, 1475
Muskoxen, 625
Mustelid:
  Gulo gulo, 793
  Martes americana, 1342, 1346
  Martes pennanti, 921, 1508
Mustelidae:
  Neovison macrodon, 371
  Neovison vison, 946
Myodes gapperi, 759
Myotis:
  goudoti, 959
  lucifugus, 649
  septentrionalis, 649
  thysanodes, 967
  volans, 1261

N
Narwhal, 49
Nasal chamber:
  Rhinonicteris aurantia, 94
National park:
  Bialowieza (Poland), 508
Natural history:
  Eptesicus fuscus, 1230
  field research and, 1119
Natural selection, 1
  adaptation to hypoxia in high-altitude mammals, 24
Nature reserve, strict, 508
Nebraska:
  Dipodomys ordii, 234
Neodon irene, 1170
Neotoma:
  fuscipes, 745, 1523
  macrotis, 745
  micropus, 360
Neovison:
  macrodon, 371
  vison, 371, 946
Nesoryzomys swarthi, 208
Nest predation:
  by Procyon lotor, 1082
Nest trees:
  Glaucomys (2 spp.), 226
Nest-site selection:
  Glaucomys sabrinus, 862
  Sciurus aureogaster, 495

New Guinea:
Murexia (5 spp.), 696
New species:
Barbastella beijingensis, 1393
Dyacopterus rickarti, 302
Miniopterus soroculus, 1216
Monodelphis handleyi, 319
Proedromys liangshanensis, 1170
Rhynchomys banahao, 287
Rhynchomys tapulao, 287
Styloctenium mindorensis, 951
New subgenus:
Leuconycteris, 1205
Schizonycteris, 1205
New Zealand fur seal, 639
Newfoundland:
Pagophilus groenlandicus, 1325
Nicotinamide adenine dinucleotide dehydrogenase sububit 1 *(ND1)* gene sequences:
Barbastella (3 spp.), 1393
Nongeographic variation:
Mastomys (2 spp.), 1179
North America:
Ammospermophilus leucurus, 1404
Glaucomys (2 spp.), 840
Glaucomys sabrinus, 862, 897
Vulpes (2 spp.), 1029
North Atlantic:
Delphinus delphis, 678
North Carolina:
Ursus americanus, 1050, 1062
North Dakota:
Megalonyx jeffersonii, 73
Microtus pennsylvanicus, 250
Spermophilus (2 spp.), 250
Northern flying squirrel, 837, 840, 850, 862, 882, 897
Northern grasshopper mouse, 241
Nova Scotia:
Odocoileus virginianus, 1305
Nuclear DNA analysis:
Ursus americanus, 1288
Nuclear intron sequences:
Eptesicus fuscus, 1230
Numt (nuclear fragment of mitochondrial genes), 908
Nutritional requirements:
Microcavia australis, 165
Nyctereutes procyonoides, 1090, 1098

O
Occurrence:
predictors of tree squirrel, 564
Ochotona:
alpina, 1195
argentata, 1195
collaris, 1195
hoffmanni, 1195
hyperborea, 1195
mantchurica, 1195
pallasi, 1195
princeps, 1195
scorodumovi, 1195
turuchanensis, 1195
Odocoileus:
hemionus eremicus, 1482
virginianus, 427, 614, 1305, 1482
Offshore ecotype:
Tursiops truncatus, 59
Oklahoma:
Sigmodon hispidus, 351
Oligoryzomys longicaudatus, 1555
Ontario:
Cervus elaphus, 614
Glaucomys (2 spp.), 226
Lynx canadensis, 457
Neovison vison, 946
Odocoileus virginianus, 614
Ontogeny:
Talpa europaea, 667
Onychomys leucogaster, 241
Opossum:
Brazilian slender, 158
mouse, 158
short-tailed, 319
Virginia, 119
Orcinus orca, 43
Ord's kangaroo rat, 234
Oregon:
Ammospermophilus leucurus, 1404
Myotis thysanodes, 967
Oryzomys bauri, 208
Ossification, cranial:
Talpa europaea, 667
Ouachita Mountains:
Perimyotis subflavus, 974
Ovibos moschatus, 625
Ovulation:
induced in Urocyon littoralis, 436
Owl, California spotted, 1523
Oxygen-18 (radioisotope), 401
Oxygen transport, in high-altitude mammals, 24

P
Pagophilus groenlandicus, 1325
Pair bond:
Microtus ochrogaster, 989
Vulpes macrotis, 1439
Pampas:
armadillo species, 502
Calomys species, 769
Parasites:
Liniscus maseri, 1539
Skrjabingylus in Neovison vison, 946
Strongyloides in Glaucomys sabrinus, 897
Parental behavior:
Microtus (3 spp.), 1420
Parental care:
Microtus (3 spp.), 1420
Parent-of-origin effects, 5
Patagonia:
Oligoryzomys longicaudatus, 1555
Patch:
predictors of tree squirrel occurrence, 564
Pátzcuaro, 495
Pecari tajacu, 124
Peccary, collared, 124
Pelage color:
Eptesicus fuscus, 1230
Penis morphology:
Sminthopsis (19 spp.), 1381
Perimyotis subflavus, 974
Perognathus, 1129
Peromyscus:
maniculatus, 1, 5, 24, 241, 982, 1119
molecular phylogeny, 1146
polionotus, 5
polionotus ammobates, 580
polionotus leucocephalus, 1
polionotus subgriseus, 1
Persistence:
Glaucomys sabrinus, 862
Peru:
Monodelphis (6 spp.), 319
Petaurus:
breviceps, 850
norfolcensis, 1515
Philippines:
Dyacopterus rickarti, 302
Rhynchomys (4 spp.), 287
Styloctenium mindorensis, 951
Phoca vitulina, 408
Phyllostomidae:
Micronycteris (4 subgenera), 1205
Rhinophylla pumilio, 81
Phylogenetically independent contrasts, 394
Phylogenetics:
Acr (acrosin) gene, 32
Ammonspermophilus (2 spp.), 1160
Apodemus (4 spp.), 330
Artibeus jamaicensis, 712
Calomys (12 spp.), 769
Crocidura zarudnyi, 706
Glaucomys (2 spp.), 882
heteromyid rodents, 1129
Ia io, 728
Micronycteris (4 subgenera), 1205
Monodelphis (5 spp.), 319
Ochotona (10 spp.), 1195
Peromyscus, 1146
Rhynchomys (4 spp.), 287
Thomomys bottae, 343
Phylogeny:
Aselliscus stoliczkanus, 736
Barbastella (3 spp.), 1393
Glaucomys (2 spp.), 840
Murexia (5 spp.), 696
Ochotona (10 spp.), 1195
Peromyscus, 1146
Thomomys bottae, 343
Phylogeography:
Apodemus (4 spp.), 330
Artibeus jamaicensis, 712
Calomys musculinus, 777
Glaucomys (2 spp.), 840
Monodelphis (6 spp.), 319
Ursus americanus, 1288
Phylogroups:
Artibeus jamaicensis complex, 712
Pika, 1195
Pine vole, 1420
Pinnipeds:
Arctocephalus forsteri, 639
blubber depth, changes in, 408
Pagophilus groenlandicus, 1325
Pusa hispida, 1325
Zalophus californianus, 67
Placenta:
Peromyscus, 5
Pleistocene:
Glaucomys species, 840
Megalonyx jeffersonii, 73
Pocket gopher, 926
Pocket mouse, long-tailed, 1280
Poland:
Cervus elaphus, 508
Pollination ecology, bat, 1466
Polygyny:
Ctenomys flamarioni, 935
Procyon lotor, 441
Ponderosa pine forests:
Myotis thysanodes, 967
Pontoporia blainvillei, 1335
Population density:
Glaucomys sabrinus, 862
Population differences:
Microtus ochrogaster, 989
Population divergence:
Vulpes lagopus, 384
Population dynamics:
Glaucomys sabrinus, 862
Peromyscus maniculatus, 982
Population estimate:
mark-recapture studies and track tube sampling compared, 250

Population genetics:
Cervus elaphus (3 subspecies), 801
Neotoma micropus, 360
Sigmodon hispidus, 351
Population structure:
Ursus americanus, 1288
Population substructure:
Peromyscus polionotus ammobates, 580
Population viability analysis:
of tree squirrels, 1271
Portugal:
Genetta genetta, 201
Positive selection:
Acr (acrosin) gene, 32
Prairie dog:
black-tailed, 241, 1029
Utah, 555
Prairie habitat:
Peromyscus maniculatus, 982
Prairie vole, 908, 989, 1420
Predation:
by Canis lupus, 595
Chaetophractus vellerosus, 1319
detection of predators by Cynomys parvidens, 555
feeding ecology of feral cats on islands, 1074
by Lycaon pictus, 181
by Procyon lotor, 1082
on Vulpes species by coyotes, 1029
Predation risk:
Capra ibex, 1488
Predatory-prey interaction:
wolf predation on bison and elk, 595
Pregnancy:
Odocoileus virginianus, 427
Zalophus californianus, 67
PRIMER, 241
Procyon lotor, 441, 1082, 1090
Productivity:
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
Proedromys:
bedfordi, 1170
liangshanensis, 1170
Progesterone:
Odocoileus virginianus, 427
Zalophus californianus, 67
Promiscuity:
Procyon lotor, 441
Protein restriction:
Mus musculus, 1475
Pseudogene, 908
Pteromyini, 340
Pteropodidae:
Cynopterus (4 spp.), 105
Dyacopterus (3 spp.), 302
Styloctenium mindorensis, 951
Publishing, 275
Puma concolor, 1300
Pusa hispida, 1325

Q
Quantitative trait locus mapping, 1
Quercus kelloggii, 1523

R
Raccoon, 441, 1082, 1090
Raccoon dog, 1090, 1098
Radiotelemetry:
Canis lupus, 595
Ceratotherium simum, 632
Cervus elaphus, 508, 614
Crocuta crocuta, 1017
Dipodomys ingens, 1000
Glaucomys (2 spp.), 226
Heliophobius argenteocinereus, 1009
Lynx canadensis, 457
Martes pennanti, 1508
Mephitis mephitis, 1040
Microtus pennsylvanicus, 573
Myotis thysanodes, 967
Myotis volans, 1261
Perimyotis subflavus, 974
Petaurus norfolcensis, 1515
Procyon lotor, 441
Rattus rattus, 589
Rhinophylla pumilio, 81
Tupaia tana, 1427
Tursiops truncatus, 59
Ursus americanus, 1050, 1062
Ursus americanus floridanus, 468
Vulpes (2 spp.), 1029
Vulpes vulpes, 1498
Rain forest habitat:
Syncerus caffer nanus, 1312
Rainfall:
Nesoryzomys swarthi population ecology and, 208
Rancholabrean:
Megalonyx jeffersonii, 73
Range contraction:
of large mammal fauna as indicator of global human impacts, 1363
Range expansion:
Calomys musculinus, 777
Rat:
hispid cotton, 351
Ord's kangaroo, 234
roof, 589
Rattus:
norvegicus, 1
rattus, 589
Red deer, 508
Red fox, 1498
Red squirrel, 220, 564
Refuges:
spatial ecology of small mammals in Chile, 1532
Vulpes (2 spp.), 1029
Reintroduction:
Cervus elaphus, 614
Cervus elaphus nelsoni, 129
Martes americana, 1342, 1346
tree squirrels, 1271
Vulpes velox, 1029
Relatedness:
Gulo gulo, 793
Neotoma (2 spp.), 745
Peromyscus polionotus ammobates, 580
Relative warps:
of Glaucomys sabrinus locomotion, 850
Reproduction:
Alces alces, 139
Arcobates pygmaeus, 119
Arctocephalus forsteri, 639
Cynomys parvidens, 555
Marmota vancouverensis, 1412
Martes pennanti, 1508
Myotis (2 spp.), 649
Nesoryzomys swarthi, 208
Odocoileus virginianus, 427, 1305
Puma concolor, 1300
Tayassu tajacu, 124
Urocyon littoralis, 436
Zalophus californianus, 67
Reproductive isolation:
genomic studies, 1
Peromyscus (2 spp.), 5
Reproductive success:
Cynictis penicillata, 194
Mus musculus, 1475
Reservoir:
filovirus, 1544
hantavirus, 1555
Resource availability:
Marmosops paulensis, 158
Resource partitioning:
Cynopterus (4 spp.), 105
Resourse selection:
elk and white-tailed deer in winter, 614
Resting frequency. *See* Echolocation
Rhinoceros, 632
Rhinonicteris aurantia, 94
Rhinophylla pumilio, 81
Rhynchomys:
banahao, 287
tapulao, 287
Ribosomal RNA (rRNA) studies:
Murexia (5 spp.), 696
Ringed seal, 1325
Rio Grande do Sul:
Pontoporia blainvillei, 1335
Riparian forest:
Rattus rattus, 589
Risk, in field research, 1119
Road effects:
Ursus americanus, 1050, 1062
Rock roosts:
Myotis thysanodes, 967
Rock shrew, Zarudny's, 706
Rocky Mountain elk, 129, 801
Rodentia:
Ammonspermophilus (2 spp.), 1160
Ammospermophilus leucurus, 1404
Apodemus (4 spp.), 330
Apodemus flavicollis, 689
Baiomys (2 spp.), 1447
Bathyergus suillus, 657
Calomys (12 spp.), 769
Calomys musculinus, 777
Chaetodipus formosus, 1280
communities in shortgrass steppe, 241
Crocidura zarudnyi, 706
Ctenomys, 519
Ctenomys flamarioni, 935
Cynomys ludovicianus, 241, 1029
Cynomys parvidens, 555
Dipodomys ingens, 1000
Dipodomys ordii, 234
Glaucomys (2 spp.), 226, 840, 882
Glaucomys sabrinus, 837, 850, 862, 897
Heliophobius argenteocinereus, 1009
Marmota vancouverensis, 1412
Mastomys (2 spp.), 1179
Microsciurus (2 spp.), 882
Microtus (3 spp.), 1420
Microtus limnophilus, 1170
Microtus ochrogaster, 908, 989
Microtus pennsylvanicus, 250, 573
Microtus quasiater, 515
molecular systematics of heteromyid rodents, 1129
Mus, 1
Myodes gapperi, 759
Neodon irene, 1170
Neotoma (2 spp.), 745
Neotoma micropus, 360
Nesoryzomys swarthi, 208
Oligoryzomys longicaudatus, 1555
Onychomys leucogaster, 241
Peromyscus maniculatus, 24, 241, 982, 1119
Peromyscus polionotus ammobates, 580
Proedromys (2 spp.), 1170
Rattus, 1
responses to large- and small-scale resource pulses, 1280

Rhynchomys (4 spp.), 287
Sciurus (5 spp.), 1271
Sciurus aureogaster, 495
Sciurus carolinensis, 564
Scotinomys (2 spp.), 1447
Sigmodon hispidus, 351
Sorex cinereus, 1539
Spermophilus (2 spp.), 250
Spermophilus tridecemlineatus, 241
Talpa europaea, 667
Tamiasciurus hudsonicus, 220, 564, 1271
Thomomys bottae, 343, 926
Tupaia tana, 1427
Volemys musseri, 1170
Roof rat, 589
Roosevelt elk, 801
Roosting range:
Artibeus watsoni, 477
Roosts:
inventory of bat communities in Catalonia, 526
Myotis thysanodes, 967
Perimyotis subflavus, 974
Tadarida australis, 1252
Rubidium-86 (radioisotope), 401

S
Sabah:
Tupaia tana, 1427
Safety, in field research, 1119
Sampling methods:
for inventory of bat communities, 526
San Clemente Island, 173
Santiago nesoryzomys, 208
Saussure's long-nosed bat, 1466
Savanna:
Cynictis penicillata, 194
Scale:
predictors of tree squirrel occurrence, 564
winter resourse selection of elk and white-tailed deer, 614
Scat analysis. *See* Fecal analysis
Scent marking:
Genetta genetta, 201
Schizonycteris, 1205
Scientific, technical, and medical (STM) publications, 275
Scientific delivery, 275
Sciurus:
aberti, 1271
aureogaster, 495
carolinensis, 564, 1271
granatensis, 1271
niger, 1271
vulgaris, 1271
Scotinomys:
teguina, 1447
xerampalinus, 1447
Sea lion:
California, 67
Stellar's, 408
Sea mink, 371
Seal:
harbor, 408
harp, 1325
New Zealand fur, 639
ringed, 1325
Seasonality:
effect on Dipodomys ordii surface activity, 234
Microtus quasiater, 515
Seed dispersal:
Marmosops paulensis, 158
Semiarid ecosystem:
Cynictis penicillata, 194
spatial ecology of small mammals in Chile, 1532
Senescence:
Odocoileus virginianus, 427
Serbia:
Apodemus flavicollis, 689
Sex allocation:
Ceratotherium simum, 632
Sex differences:
Crocuta crocuta, 1017
Sex ratio variation:
Odocoileus virginianus, 1305
Sex ratios:
Arcobates pygmaeus, 119
Tayassu tajacu, 124
Sex-biased dispersal:
Gulo gulo, 793
Lepus timidus hibernicus, 784
Sex-biased mortality:
Neovison vison, 946
Sex-biased parasitism:
Neovison vison, 946
Sorex cinereus, 1539
Sexual dimorphism:
Bathyergus suillus, 657
Microtus ochrogaster, 989
Neovision (2 spp.), 371
Neovison vison, 946
Orcinus orca, 43
Sexual segregation:
Capra ibex, 1488
Sexual selection:
Neovison vison, 946
Shortgrass prairie, rodent communities in, 241
Short-tailed chinchilla, 519
Snort-tailed opossum, 319
Shrew:
masked, 1539
Zarudny's rock, 706
Shrew-rats, 287
Shrub encroachment, effect on species diversity, 194
Sichuan, China:
Proedromys liangshanensis, 1170
Sierra Nevada:
Neotoma fuscipes, 1523
Sigmodon hispidus, 351
Signaling:
Ceratotherium simum, 632
Silvery mole-rat, 1009
Sin Nombre virus, 1119
Skeletogenesis:
Mops condylurus, 1248
Skrjabingylus:
Neovison vison and, 946
Skull morphology:
Cynopterus (4 spp.), 105
Dyacopterus (3 spp.), 302
Miniopterus (4 spp.), 1216
Miniopterus soroculus, 1216
Monodelphis (5 spp.), 319
Proedromys liangshanensis, 1170
Rhinonicteris aurantia, 94
Rhynchomys (4 spp.), 287
Styloctenium mindorensis, 951
Talpa europaea, 667
Skunk, striped, 1040
Small mammals:
mark-recapture studies and track tube sampling compared, 250
spatial in north-central Chile, 1532
Sminthopsis, 1381
Snag roosts:
Myotis thysanodes, 967
Snow tracking:
Vulpes vulpes, 1498
Social behavior:
Microtus ochrogaster, 989
Syncerus caffer nanus, 1312
Social cognition, in spotted hyena, 545
Social complexity hypothesis, 545
Social monitoring:
Cynomys parvidens, 555
Social organization:
Tupaia tana, 1427
Social structure:
Gulo gulo, 793
Social system:
Dipodomys ingens, 1000
Song:
in baiomyine mice, 1447
Sonoran Desert:
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
Sorex cinereus, 1539
South Africa:
Bathyergus suillus, 657
Ceratotherium simum, 632
Cynictis penicillata, 194
Mastomys (2 spp.), 1179
South America:
Artibeus jamaicensis complex, 712
Calomys (12 spp.), 769
Calomys musculinus, 777
Chaetophractus (2 spp.), 502
Chaetophractus vellerosus, 1319
Chinchilla chinchilla, 519
Ctenomys, 519
Ctenomys flamarioni, 935
Dasypus hybridus, 502
Lagidium viscacia, 519
Leopardus (2 spp.), 519
Lyalopex culpaeus, 519
Marmosops paulensis, 158
Microcavia australis, 165
Monodelphis (6 spp.), 319
Oligoryzomys longicaudatus, 1555
Pontoporia blainvillei, 1335
Rhinophylla pumilio, 81
spatial ecology of small mammals, 1532
Southeast Asia:
Cynopterus (4 spp.), 105
Dyacopterus (3 spp.), 302
Murexia (5 spp.), 696
Styloctenium mindorensis, 951
Southern flying squirrel, 840, 882
Southern long-nosed armadillo, 502
Southern red-backed vole, 759
Space use:
Dipodomys ingens, 1000
Lynx canadensis, 457
Ursus americanus floridanus, 468
Spain:
bat fauna of Catalonia, 526
Canis lupus, 606
Spatial assignment:
Ursus americanus, 1288
Spatial organization:
Petaurus norfolcensis, 1515
Spatial patterns:
Gulo gulo, 793
Spatial scale:
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
raccoons and raccoon dogs in Japan, 1090
winter resourse selection of elk and white-tailed deer, 614
Spatial structure:
Peromyscus polionotus ammobates, 580
Speciation:
genomic studies, 1
Neovision (2 spp.), 371

Species diversity, shrub encroachment effect on, 194
Species group:
Peromyscus, 1146
Species richness:
bat fauna of Catalonia, 526
rodent communities in shortgrass steppe, 241
Spermophilus:
franklinii, 250
tridecemlineatus, 241, 250
Spotted hyena, 545, 1017
Spotted owl, California, 1523
Squirrel:
antelope ground, 1160, 1404
Central American dwarf, 882
eastern gray, 564
Franklin's ground, 250
Mexican red-bellied, 495
northern flying, 226, 837, 840, 850, 862, 882, 897
population viability analysis of tree squirrels, 1271
red, 220, 564
southern flying, 226, 840, 882
13-lined ground, 241, 250
western dwarf, 882
Squirrel glider, 1515
Stellar's sea lion, 408
Stereotypy:
vocal in baiomyine mice, 1447
Stochastic model:
Peromyscus maniculatus population, 982
Stoliczka's trident bat, 736
Striped skunk, 1040
Stripe-faced fruit bat, 951
Strix occidentalis occidentalis, 1523
Strongyloides:
Glaucomys sabrinus and, 897
Structural diversity:
effect on Cynictis penicillata reproductive success, 194
Styloctenium mindorensis, 951
Subspecies:
Thomomys bottae, 926
Subterranean mammals:
Bathyergus suillus, 657
Ctenomys flamarioni, 935
Heliophobius argenteocinereus, 1009
Talpa europaea, 667
Sugar gliders, 850
Sugar preferences, bat, 1466
Surface activity:
Dipodomys ordii, 234
Survey:
of bat communities, 526
Survival:
Cervus elaphus, 421
Nesoryzomys swarthi, 208
Puma concolor, young of, 1300
Vulpes (2 spp.), 1029
Swift fox, 1029
Sylvaemus, 330
Sympatry:
Felis catus and Urocyon littoralis clementae, 173
Syncerus caffer nanus, 1312
Systematics:
Ammonspermophilus (2 spp.), 1160
Apodemus (4 spp.), 330
Crocidura zarudnyi, 706
Micronycteris (4 subgenera), 1205
Monodelphis (6 spp.), 319
Murexia (5 spp.), 696
Peromyscus, 1146
Rhynchomys (4 spp.), 287

T
Tadarida australis, 1252
Taiwan:
Chiropteran diversity, 1239
Talpa europaea, 667
Tamiasciurus hudsonicus, 220, 564, 1271
Tarsipes rostratus, 401
Taxonomy:
Apodemus (4 spp.), 330
Dyacopterus (3 spp.), 302
Murexia (5 spp.), 696
Ochotona (10 spp.), 1195
Styloctenium mindorensis, 951
Tayassu tajacu, 124
Teeth. *See* Dentition
Telemetry. *See* Radiotelemetry
Temperature:
cold shocks to rumen fermentation in naturally feeding muskoxen, 625
diurnal activity of fishers and, 1508
Heliophobius argenteocinereus activity patterns and, 1009
Tennessee:
Microtus ochrogaster, 989
Tent-making bat, 477
Territoriality:
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
Texas:
Neotoma micropus, 360
Odocoileus hemionus, 1482
Odocoileus virginianus, 1482
Sigmodon hispidus, 351
Tayassu tajacu, 124
Thailand:
Dyacopterus spadiceus, 302
Thermoregulation:
Ovibos moschatus, 625
Thomomys bottae, 343, 926
Track tube sampling, 250
Translocation:
Martes americana, 1342, 1346
Martes pennanti, 921
Trapping:
American Society of Mammalogists (ASM) guidelines, 809
Tree squirrels, 1271
Treeshrew, large, 1427
Triaenops:
furculus, 959
rufus, 959
Trivers-Willard hypothesis:
Ceratotherium simum, 632
Odocoileus virginianus, 1305
Tayassu tajacu, 124
Trophic niche:
Cynopterus (4 spp.), 105
Truffles:
Glaucomys sabrinus and, 862, 897
Tuco-tuco, 519
Tuco-tuco das dunas, 935
Tule elk, 801
Tumor-necrosis factor-alpha:
Cervus elaphus, 421
Tupaia tana, 1427
Tursiops truncatus, 59

U
Ukraine:
Apodemus (4 spp.), 330
Ultrasound:
imaging pinniped blubber depth, 408
vocalization in baiomyine mice, 1447
Ungulates:
Aepyceros melampus, 181
Alces alces, 139
Capra ibex, 1488
Ceratotherium simum, 632
Cervus elaphus, 421, 508, 614, 801
Cervus elaphus nelsoni, 129, 801
Madoqua kirkii, 181
Odocoileus hemionus eremicus, 1482
Odocoileus virginianus, 427, 614, 1305, 1482
Ovibos moschatus, 625
Tayassu tajacu, 124
United States:
Ammospermophilus leucurus, 1404
Bison bison, 595
Canis lupus, 595
Cervus elaphus, 421, 595
Cervus elaphus (3 subspecies), 801
Cervus elaphus nelsoni, 129
Cynomys ludovicianus, 241
Cynomys parvidens, 555
Dipodomys ingens, 1000
Dipodomys ordii, 234
Eptesicus fuscus, 1230
Felis catus, 173
Gulo gulo, 793
heteromyid rodent community responses to large- and small-scale resource pulses, 1280
Lynx canadensis, 457
Martes americana, 1342, 1346
Martes pennanti, 921
Megalonyx jeffersonii, 73
Mephitis mephitis, 1040
Microcavia australis, 165
Microtus ochrogaster, 989
Microtus pennsylvanicus, 250, 573
Myodes gapperi, 759
Myotis (2 spp.), 649
Myotis thysanodes, 967
Myotis volans, 1261
Neotoma (2 spp.), 745
Neotoma micropus, 360
Neovison macrodon, 371
Odocoileus hemionus, 1482
Odocoileus virginianus, 427, 1482
Onychomys leucogaster, 241
Perimyotis subflavus, 974
Peromyscus maniculatus, 241, 982
Peromyscus polionotus ammobates, 580
Procyon lotor, 441
Puma concolor, 1300
Rattus rattus, 589
Sciurus carolinensis, 564
Sigmodon hispidus, 351
Spermophilus (2 spp.), 250
Spermophilus tridecemlineatus, 241
Tamiasciurus hudsonicus, 564
Tayassu tajacu, 124
Urocyon littoralis, 436
Urocyon littoralis clementae, 173
Ursus americanus, 1050, 1062, 1288
Ursus americanus floridanus, 468
Vulpes macrotis, 1439
Zalophus californianus, 67
Urocyon:
littoralis, 436
littoralis clementae, 173
Ursus:
americanus, 1050, 1062, 1288
americanus floridanus, 468
Utah:
Cynomys parvidens, 555
Puma concolor, 1300

V
Vaginal-implant transmitters:
Odocoileus (2 spp.), 1482

Vancouver Island marmot, 1412
Vegetation structure:
  effect on Cynictis penicillata reproductive success, 194
Vermivory:
  Rhynchomys (4 spp.), 287
Vespertilionidae:
  Barbastella (3 spp.), 1393
  Miniopterus soroculus, 1216
Vigilance:
  Cynomys parvidens, 555
Virginia opossum, 119
Vizcacha, mountain, 519
Vocalization:
  in baiomyine mice, 1447
  Canis lupus, 606
Vole:
  Jalapan pine, 515
  meadow, 250, 573, 1420
  North American prairie, 908, 989, 1240
  pine, 1420
  Proedromys liangshanensis, 1170
  southern red-backed, 759
Volemys musseri, 1170
VORTEX, 1271
Vulpes:
  lagopus, 384
  macrotis, 1029, 1439
  velox, 1029
  vulpes, 1498

W
Washington:
  Myotis thysanodes, 967
Water, doubly labeled, 401
Western dwarf squirrel, 882
White rhinoceros, 632
White-striped free-tailed bat, 1252
White-tailed deer, 427, 614, 1305, 1482
Winter:
  cold shocks to rumen fermentation in naturally feeding muskoxen, 625
  resourse selection of elk and white-tailed deer, 614
  severity and reproductive investment adjustment in white-tailed deer, 1305
Wolf, 595, 606
Wolverine, 793
Woodland vole, 1420
Woodrat, 360, 745, 1523

X
Xenarthra:
  Megalonyx jeffersonii, 73
Xenoctenes, 1205

Y
Yellow mongoose, 194
Yellow-bellied sapsuckers nests, flying squirrel use of, 226
Yellow-necked field mouse, 689
Yellowstone National Park:
  Bison bison, 595
  Canis lupus, 595
  Cervus elaphus, 421, 595
  Cervus elaphus nelsoni, 129
  Vulpes vulpes, 1498

Z
Zalophus californianus, 67
Zarudny's rock shrew, 706
Zeitgeber, 234, 1009